

Sub 2) surface sized to receive a sonde.

1 10. (new) The tubular outer housing of claim 9, further comprising a shock resistant
2 holder for the sonde shaped to be received in the receiving pocket, and a cover plate,
3 removably attached to the outer housing over the receiving pocket, functioning to hold the
4 sonde and shock resistant holder in place.

1 11. (new) The tubular outer housing of claim 10, further comprising a sonde placed in
2 the shock resistant holder.

1 12. (new) The tubular outer housing of claim 10, wherein the cover plate further
2 includes at least one longitudinal slot to allow the passage of electromagnetic signals from
3 the sonde.

1 13. (new) The tubular outer housing of claim 12, wherein the longitudinal slots
2 further include a filling of non-metallic material.

1 14. (new) A tubular outer housing for a mud motor, said tubular outer housing having
2 an exterior diameter, said tubular housing further including a mount within the external
3 diameter.

1 15. (new) The tubular outer housing of claim 14, wherein the mount comprises an
2 elastomeric sarcophagus shaped to hold a sonde, a cavity in the tubular outer housing shaped
3 to hold the elastomeric sarcophagus, a lip formed around the cavity, and a removable cover
4 plate set in the lip.

1 16. (new) The tubular outer housing of claim 15, further comprising a sonde set in the
2 elastomeric sarcophagus.

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17. (new) A tubular outer housing of a mud motor, said tubular outer housing having a through bore substantially along a longitudinal axis thereof, an interior surface and an exterior surface, said tubular outer housing comprising a collar having an interior surface and an exterior surface removably attached at the inner surface of the collar to the outer surface of the tubular outer housing, a receiving pocket in the exterior surface of the collar shaped to receive a sonde, a shock resistant holder for the sonde shaped to set in the receiving pocket, and a cover plate, removably attached to the outer housing over the receiving pocket, functioning to hold the sonde and shock resistant holder in place.

18. (new) A coupler disposed between a bearing mandrel and a bit box of a mud motor, said coupler comprising a through bore substantially along a longitudinal axis of the coupler, said coupler having an interior surface and an exterior surface, and a receiving pocket in the exterior surface shaped to receive a sonde.

19. (new) The coupler of claim 18, further comprising a shock resistant holder for the sonde shaped to set in the receiving pocket, and a cover plate, removably attached to the coupler over the receiving pocket, functioning to hold the sonde and shock resistant holder in place.

20. (new) In an entrenching powering device having an exterior wall of a housing, an improvement comprising a sonde mounted in pocket formed in the exterior wall.

21. (new) The entrenching powering device of claim 20, further comprising the sonde mounted in a shock resistant holder set in the pocket.

22. (new) The entrenching powering device of claim 21, further comprising a removable cover mounted over the pocket.